

Strong “-ing” Words

Orton-Gillingham Concept: “-ng” words

Science: Gravity

Materials:

1. The attached three sheets (one for each student)
2. Books

Directions:

1. Give each student one of the three attached sheets.
2. Have them read the “Strong *-ng*” words.
3. The students fold the sheets on the dotted lines except for the cylinder (they will roll the sheet to form a cylinder). *This can be done in small groups.*
4. They are then to tape the edges together.
5. Stand up each paper shape on the table.
6. They are then to place one book at a time on top of each shape until it collapses.
7. Students record the number of books for each shape before they collapse. The cylinder should hold more books.

Explanation: Gravity pulls each book downward (a pull towards the center of the earth) and the paper structures push upward. If the downward pull of gravity is greater than the upward push (the paper structures), the books crush the paper. The open cylinder will hold the most books because the weight (force of gravity) of the books is evenly distributed through the paper column.

Strong “-ng” Words (Triangular Prism)

Read the following strong “-ng” words.

sang gang bang hang rang slang

lung rung stung flung sprung

wing sing king sting swing cling thing

long song strong prong thong throng

Strong “-ng” Words (Rectangular Solid)

Read the following strong “-ng” words.

sang gang bang hang rang slang lung rung stung flung

sprung wing sing king sting swing cling thing

long song strong prong thong throng

Strong “-ng” Words (Cylinder)

Read the following strong “-ng” words.

sang gang bang hang rang slang lung rung stung flung

sprung wing sing king sting swing cling thing

long song strong prong thong throng